09/719326

```
=> log y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY      SESSION
FULL ESTIMATED COST                                    0.40         0.82

STN INTERNATIONAL LOGOFF AT 09:08:37 ON 23 SEP 2002


=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY      SESSION
FULL ESTIMATED COST                                    0.21         0.21

FILE 'CAPLUS' ENTERED AT 09:11:12 ON 23 SEP 2002
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FILE COVERS 1907 - 23 Sep 2002  VOL 137 ISS 13
FILE LAST UPDATED: 22 Sep 2002  (20020922/ED)
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This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

```
=> s nonwoven or non-woven or unwoven or un-woven
         24729 NONWOVEN
          2449 NONWOVENS
         24943 NONWOVEN
                 (NONWOVEN OR NONWOVENS)
        555468 NON
            30 NONS
        555492 NON
                 (NON OR NONS)
         17699 WOVEN
            82 WOVENS
         17756 WOVEN
                 (WOVEN OR WOVENS)
          1879 NON-WOVEN
                 (NON(W)WOVEN)
           947 UNWOVEN
         45707 UN
          1593 UNS
         47294 UN
                 (UN OR UNS)
         17699 WOVEN
            82 WOVENS
         17756 WOVEN
                 (WOVEN OR WOVENS)
```

```
            9 UN-WOVEN
                (UN(W)WOVEN)
L1      26952 NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN

=> s cover (l)layer
        63086 COVER
        40520 COVERS
        99786 COVER
                (COVER OR COVERS)
       978095 LAYER
       439108 LAYERS
      1202077 LAYER
                (LAYER OR LAYERS)
L2      13637 COVER (L)LAYER

=> s embedded or em-bedded
        50395 EMBEDDED
        11254 EM
         2866 EMS
        14007 EM
                (EM OR EMS)
         2164 BEDDED
            3 EM-BEDDED
                (EM(W)BEDDED)
L3      50398 EMBEDDED OR EM-BEDDED

=> s l1 and l2 and l3
L4          3 L1 AND L2 AND L3

=> d l4 1-3 bib,abs

L4   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2002 ACS
AN   2001:19200  CAPLUS
DN   134:74041
TI   Thin film solar cell modules and their manufacture
IN   Kondo, Masataka
PA   Kanegafuchi Chemical Industry Co., Ltd., Japan
SO   Jpn. Tokkyo Koho, 10 pp.
     CODEN: JTXXFF
DT   Patent
LA   Japanese
FAN.CNT 3
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   JP 3121810         B1   20010109       JP 1999-247123   19990901
     JP 2001077392      A2   20010323
     EP 1081770         A1   20010307       EP 2000-103497   20000302
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
PRAI JP 1999-247123     A    19990901
     JP 1999-247124     A    19990901
     JP 1999-251172     A    19990906
AB   The solar cell modules have, on a transparent substrate, successive
     layers of a transparent electrode, a thin photoelec. converting
     semiconductor, and a backside electrode, which are divided into several
     elec. connected units and bus bars; a backside protection cover
     sealed to the cells with a filler in between; and elec. connection means
     for external circuits; where the wires connecting the bus bars and the
     connection means are embedded in the filler layer, and
     a nonwoven glass fiber fabric or heat resistant (160.degree.)
     synthetic fiber fabric is embedded in a sep. layer of
     the filler between the wires and the backside electrode.  The solar cell
     modules are prepd. by using the fabrics.
```

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS
AN 2000:15471 CAPLUS
DN 132:79948
TI Printable flexible multilayer materials with a reinforced coatings
IN Loffler, Karin Ulrike; Mauk, Hansjorg; Jung, Bernhard; Olnhausen, Heinz V.; Reichert, Siegfried
PA DLW A.-G., Germany
SO PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000000692	A2	20000106	WO 1999-EP4419	19990625
	WO 2000000692	A3	20011227		
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	DE 19828676	A1	20000127	DE 1998-19828676	19980626
	AU 9952800	A1	20000117	AU 1999-52800	19990625
	EP 1144752	A2	20011017	EP 1999-938210	19990625
	EP 1144752	A3	20020424		
	R: DE, DK, FR, GB, IT, SE				
PRAI	DE 1998-19828676	A	19980626		
	WO 1999-EP4419	W	19990625		

AB The invention relates to a flexible multilayer material comprising at least one **cover layer** wherein at least one flat reinforcement material, preferably a **nonwoven**, is **embedded**. The reinforcement material improves the mech. properties of the laminates, such as tensile strength and resilience, and since the reinforcement material also serves as an image support and can be printed, it also allows flat materials of this type to be decorated. A typical sample was manufd. by coating a 0.4-mm-thick paperboard on with 2 300-.mu.m **layers** of a compn. contg. epoxidized linseed oil 51, silicic acid 2, PMMA 3, linseed oil 2, a partial ester of dipropylene glycol and maleic acid 25, and drier 1.1 g, covering the resulting coating with 23 g cellulose pulp, and hardening 6 min at 180.degree..

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
AN 1996:123816 CAPLUS
DN 124:153955
TI Coating systems for cement-bonded soil
IN Stutz, Dieter
PA Heidelberger Baustofftechnik GmbH, Germany
SO Ger., 3 pp.
CODEN: GWXXAW
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4429785	C1	19960125	DE 1994-4429785	19940823
	CA 2184162	AA	19960229	CA 1995-2184162	19950809
	WO 9606249	A1	19960229	WO 1995-EP3161	19950809
	W: CA, CZ, FI, HU, MX, PL, SK, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 777802	A1	19970611	EP 1995-929828	19950809

	EP 777802	B1	19990526		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	HU 77891	A2	19980928	HU 1996-2701	19950809
	AT 180533	E	19990615	AT 1995-929828	19950809
	ES 2132702	T3	19990816	ES 1995-929828	19950809
	PL 180119	B1	20001229	PL 1995-316206	19950809
	CZ 289704	B6	20020313	CZ 1996-2475	19950809
PRAI	DE 1994-4429785	A	19940823		
	WO 1995-EP3161	W	19950809		

AB The systems comprise an elastic floating **layer** lying on the soil and contg. .gtoreq.1 inorg. binders, a cement-compatible polymer, and inorg. and org. fillers, a **cover layer** contg. .gtoreq.1 inorg. binders, cement-compatible polymers, and inorg. fillers. The floating **layer** may contain **embedded** textiles or **nonwovens**, or inorg. or org. fibers. Hard inorg. material may be spread over the **cover layer**. The inorg. binder is cement or fly ash, and the polymer is an aq. acrylate dispersion.

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	28.73	28.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.86	-1.86

STN INTERNATIONAL LOGOFF AT 09:16:55 ON 23 SEP 2002

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=> s ep0174042/pn
L2            1 EP0174042/PN
                (EP174042/PN)

=> d all

L2   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
AN   1986:479938  CAPLUS
DN   105:79938
TI   Manufacture and processing of a resin composition
PA   DSM Resins B. V., Neth.
SO   Neth. Appl., 11 pp.
     CODEN: NAXXAN
DT   Patent
LA   Dutch
IC   ICM  D06N001-00
     ICS  C09D003-28; C09F001-04; C09F007-00
CC   37-6 (Plastics Manufacture and Processing)
FAN.CNT 3
     PATENT NO.        KIND  DATE           APPLICATION NO.   DATE
     ---------------   ----  --------       ---------------   --------
PI   NL 8402455         A    19860303       NL 1984-2455      19840809
     EP 174042          A2   19860312       EP 1985-201265    19850803 <--
     EP 174042          A3   19860319
     EP 174042          B1   19880622
         R:  AT, BE, CH, DE, FR, GB, IT, LI, NL, SE
     AT 35279           E    19880715       AT 1985-201265    19850803
     US 4686270         A    19870811       US 1985-762325    19850805
     CA 1237214         A1   19880524       CA 1985-488206    19850807
     ES 545996          A1   19860601       ES 1985-545996    19850808
     JP 61062518        A2   19860331       JP 1985-174431    19850809
     US 4694033         A    19870915       US 1986-826976    19860207
PRAI NL 1984-2455            19840809
     EP 1985-201265          19850803
     US 1985-762325          19850805
     NL 1985-3379            19851207
     NL 1986-266             19860204
AB   A resin compn., esp. suitable as a linoleum mix, is prepd. by reacting an
     epoxidized fatty ester prepd. from polyhydroxyalcs. and monocarboxylic
     acids with a carboxylic acid-modified fatty acid prepd. from plant-derived
     oil and an unsatd. acid at 60-150.degree. (preferably 80-120.degree.).
     Thus, an elastic tough linoleum compn. was prepd. from a 1:1 wt. mixt. of
     a resin prepd. from epoxidized linseed oil 60, rosin 40, and (iso-Bu)3N
     (catalyst) 1 wt. part at 180.degree. and a resin prepd. from 878 wt. parts
     linseed oil and 294 wt. parts maleic anhydride at 225.degree. for 4 h,
     with cork meal and chalk fillers and pigments, at 180.degree. for 3 h.
ST   linoleum resin linseed oil; maleated epoxidized linseed oil linoleum;
     carboxylic modified linseed oil linoleum
IT   Alkyd resins
     Castor oil
     Olive oil
     Rape oil
     Safflower oil
     RL: USES (Uses)
        (carboxylated, linoleum compns. prepd. from)
IT   Linseed oil
     Soybean oil
     Tall oil
     RL: USES (Uses)
        (epoxidized or maleated, linoleum compns. prepd. from)
IT   Sunflower oil
     RL: USES (Uses)
        (epoxidized, linoleum compns. prepd. from)
IT   Rosin
```

RL: PREP (Preparation)
(linseed oil modified with, in prepn. of linoleum compns.)
IT Linoleum
(resin compns. for, linseed oil-derived)
IT 56-81-5, uses and miscellaneous 65-85-0, uses and miscellaneous 77-99-6 79-10-7, uses and miscellaneous 79-41-4, uses and miscellaneous 88-98-2 88-99-3, uses and miscellaneous 98-73-7 110-16-7, uses and miscellaneous 110-17-8, uses and miscellaneous 110-44-1 115-77-5, uses and miscellaneous 528-44-9 1330-70-7 1687-30-5 3724-65-0 41539-58-6
RL: USES (Uses)
(plant-derived oil modified with, in prepn. of linoleum compns.)

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	12.43	12.58

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.24	-1.24

STN INTERNATIONAL LOGOFF AT 13:26:33 ON 25 JAN 2002

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'CAPLUS' ENTERED AT 09:08:15 ON 23 SEP 2002
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FILE COVERS 1907 - 23 Sep 2002 VOL 137 ISS 13
FILE LAST UPDATED: 22 Sep 2002 (20020922/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> d his

(FILE 'HOME' ENTERED AT 09:07:20 ON 23 SEP 2002)

FILE 'CAPLUS' ENTERED AT 09:08:15 ON 23 SEP 2002

DATE: Monday, September 23, 2002 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB; PLUR=YES; OP=ADJ			
L13	embedd$4 (nonwoven or unwoven or non-woven or un-woven) same reinforc$3	4	L13
L12	l10 and l11	7	L12
L11	flexible same multilayer same material	1178	L11
L10	l6 and l7 and l8	910	L10
L9	L8	168836	L9
L8	embedded or em-bedded	168836	L8
L7	nonwoven or unwoven or non-woven or un-woven	47684	L7
L6	cover same layer	101640	L6
DB=USPT; PLUR=YES; OP=ADJ			
L5	cover same layer	91430	L5
L4	embedded or em-bedded	150626	L4
L3	nonwoven or unwoven or non-wovne or un-woven	23609	L3
L2	(1858655 or 2480206)[pn]	2	L2
DB=DWPI; PLUR=YES; OP=ADJ			
L1	539916	3	L1

END OF SEARCH HISTORY

L5: Entry 2 of 5 File: DWPI Sep 28, 1998

DERWENT-ACC-NO: 1995-147190
DERWENT-WEEK: 199903

TITLE: Vandal resistant drapable material - comprises a plastics foam reinforced with non-woven or knitted metal or plastic

INVENTOR: CLEMENTS, J A

PRIORITY-DATA: 1993AU-0001564 (September 30, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SG 52427 A1	September 28, 1998		000	A47C007/20
WO 9508935 A1	April 6, 1995	E	025	A47C007/20
AU 9478046 A	April 18, 1995		000	A47C007/20
ZA 9407676 A	August 30, 1995		020	A47C000/00
EP 721307 A1	July 17, 1996	E	000	A47C007/20
NZ 274111 A	March 24, 1997		000	A47C007/20
EP 721307 A4	May 14, 1997		000	A47C007/20
AU 685169 B	January 15, 1998		000	A47C007/20

INT-CL (IPC): A47 C 0/00; A47 C 7/20; A47 C 7/26; B29 C 67/20; B29 C 70/04; B29 K 75:00; B29 K 83:00; B29 K 105:04; B29 K 105:08; B29 K 223:00; B29 K 305:12; B29 L 31:58

ABSTRACTED-PUB-NO: WO 9508935A
BASIC-ABSTRACT:

Vandal resistant material which is flexible and drapeable includes a flexible high density plastic, organic or silicone, elastomer or foam material, which is reinforced with a fully embedded non-woven knitted or crotcheted metal or plastic that extends across the full length and width.

The mfr. of the above material is also claimed.

USE - Used for upholstering, e.g., public vehicle seats.

ADVANTAGE - The relatively thin material provides a high degree of user comfort and can be applied by known upholstering techniques.

WEST

Generate Collection

L5: Entry 3 of 5 File: DWPI Dec 10, 1992

DERWENT-ACC-NO: 1992-416413
DERWENT-WEEK: 199629

TITLE: Large scale preservation of archive material - by contacting material with fabric or cloth impregnated with aq. dispersion of thermoplastic binder then heating briefly under pressure

INVENTOR: SCHWARZ, G

PRIORITY-DATA: 1991DE-4118249 (June 4, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4118249 A	December 10, 1992		007	D21H025/18
DE 59206229 G	June 13, 1996		000	D21H025/18
WO 9221817 A1	December 10, 1992	G	027	D21H025/18
AU 9218962 A	January 8, 1993		000	D21H025/18
EP 542966 A1	May 26, 1993	G	027	D21H025/18
DE 4118249 C2	October 27, 1994		007	D21H025/18
US 5421945 A	June 6, 1995		007	B65C009/25
EP 542966 B1	May 8, 1996	G	010	D21H025/18

INT-CL (IPC): B32B 29/02; B65C 9/25; B65H 5/02; C08J 5/04; D21H 25/18

ABSTRACTED-PUB-NO: DE 4118249A
BASIC-ABSTRACT:

A cloth or fabric is impregnated on a carrier belt or carrier roller with aq. dispersion (I) of a thermoplastic binder with film-forming temp. above 60 deg. C where (I) is free from harmful materials or volatile solvents, and is self-crosslinking and/or crosslinkable by other materials and/or precrosslinked, and where, through action of heat, wax or paraffin in concn. of 3-10 wt. % (on solids content of (I) is incorporated. The cloth or fabric is then dried, and fused with the substrate which is to be preserved by brief temp. shock at film-forming temp. under pressure, a film with embedded cloth or fabric sealing the substrate. Appts. for the process is also described.

Pref. substrate is sealed on both faces with film reinforced by fabric or cloth. Fabric or cloth contains fibres of cellulose and/or plastics and/or C. (I) are based on acrylates, methacrylates, their esters (SiC), nitriles and amides; vinyl acetate; styrene; butadiene; vinyl propionate; iosbutene; polyurethane; or vinylidene (sic). Reactive dilluents based on polyols, polyethers, polyetherols or epoxides, each with at least 2 reactive gps. are used. Montan, polyethylene, or natural waxes in conjunction with suitable emulsifiers, partic. oleic acid or fatty alcohol ethoxylates oleic acid alkyloamides, or castor oil ethoxylates are used.

USE/ADVANTAGE - Method is nonpolluting, requires simple appts. so can be carried out even in small archival centres, and material is not dulled nor is readability impaired.
ABSTRACTED-PUB-NO:

DE 4118249C EQUIVALENT-ABSTRACTS:

A process is for mass conservation of archive materials, a woven fabric or a nonwoven is placed on a support belt or a support roll and impregnated with a dispersion of a thermoplastic bonding agent with a film forming temperature of above 60 deg.C. The dispersion is free of toxic substances and volatile solvents and can be self-crosslin king or pre-crosslinked. Wax or paraffin are worked into the dispersion in a concentration of 3-10% of the solid weight of the dispersion. The fabric is subsequently dried and melted together with the material to be preserved in a continuous process in a calender at 100-200 deg.C and by means of a brief temperature shock that exceeds the film forming temperature significantly. The end result is a film sealing the substrate with an embedded woven or nonwoven fabric.

ADVANTAGE - The process is quick and simple and suitable for small archives. It is also environmentally sound.

EP 542966B

Process for the mass preservation of records by the fusing on of a binder combination reinforced by non-woven or woven tissue, characterise d in that on a moving carrier belt or a rotating carrier roll non-woven or woven tissue, together with an aqueous, self-crosslinking and/or not-crosslinkable and/or pre-crosslinked dispersion free from volatile solvents of a thermoplastic binder with a high film-forming temperature of more than 60 deg.C, into which waxes or paraffins with a concentration - calculated on the solids content of the dispersion - of 3 to 10% by weight have been worked by hot charging, is impregnated and dried and in combination with the substrate to be preserved fused together with embedded non-woven or woven tissue into a film sealing the substrate under the effect of pressure and temperature by means of an accelerated temperature shock at a temperature exceeding substantial ly the film-forming temperature.

US 5421945A

A method is provided for mass preservation of archives comprising forming an aq. pollutant free volatile solvent free thermoplastics binder dispersion with a high film-forming temp. above 60 deg. C. with a solids content; incorporating a wax-like subs. selected from waxes and paraffins into the dispersion by hot precipitation concn. 3 to 10% wt. solids; impregnating a fabric on a support with the dispersion; drying the fabric to form a film; disposing the fabric on a substrate of the archives and applying press. and a shock temp. exceeding the film forming temp. to melt and fuse the substrate sealing film to the substrate.

Pref. the fabric contains cellulose, glass, synthetic or carbon fibres and the dispersions are based on acrylates, methacrylates and their ester, nitriles and amides; vinyl acetate, styrene, butadiene, vinyl propionate, isobutene, polyurethane or vinylidene with diluents such as polyols, polyethers, polyalcohols and epoxides.

ADVANTAGE - To prevent disintegration of stored library material.